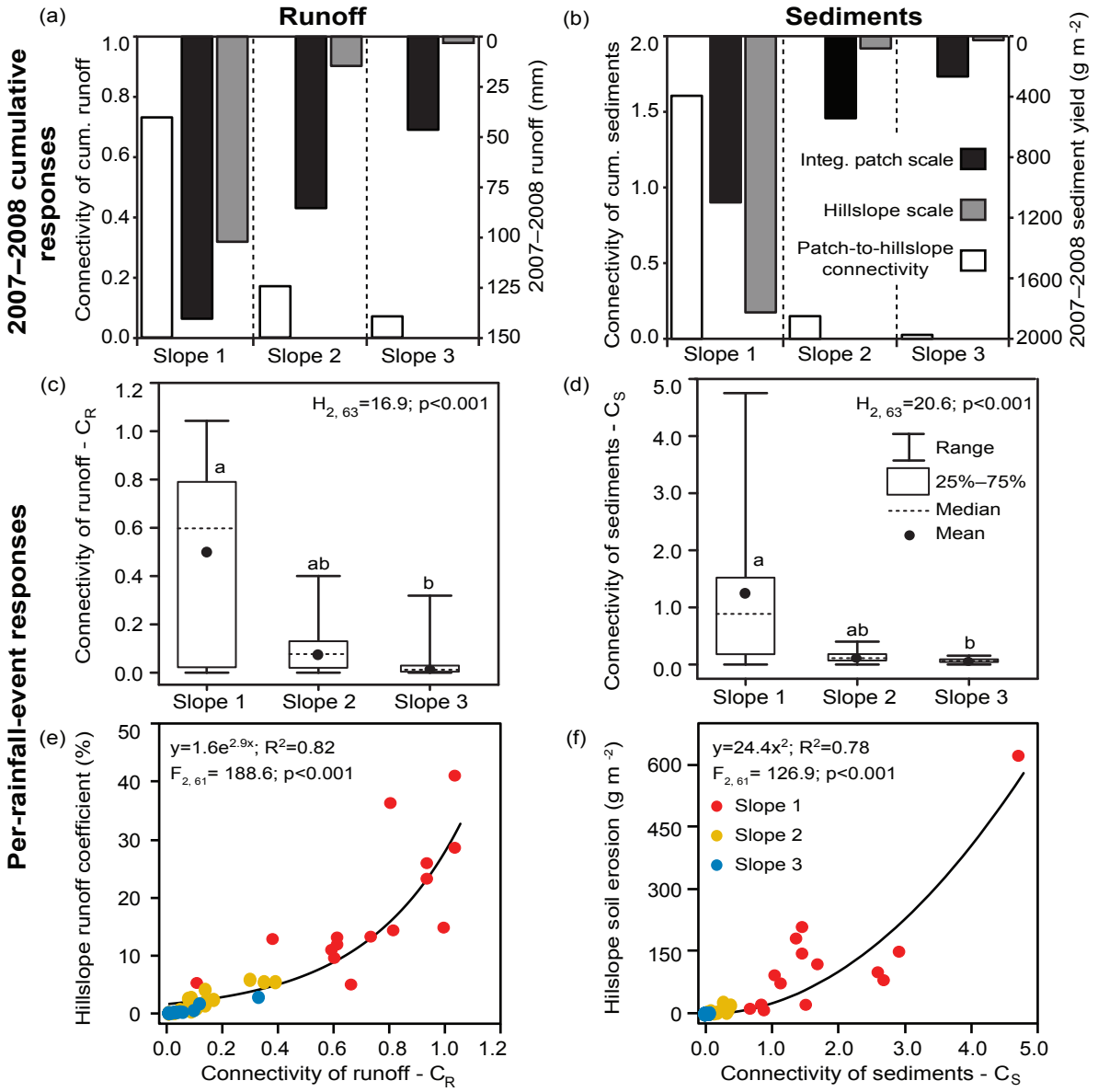
2007–2008 cumulative responses
Per-rainfall-event responses
(a)
Runoff
Connectivity of cum. runoff
2007–2008 runoff (mm)
Slope 1
Slope 2
Slope 3
(b)
Sediments
Connectivity of cum. sediments
2007–2008 sediment yield (g m -2)
Integ. patch scale
Hillslope scale
Patch-to-hillslope connectivity
(c)
Connectivity of runoff - C_R
H2, 63=16.9; p<0.001
(d)
Connectivity of sediments - C_S
H2, 63=20.6; p<0.001
Range
25%–75%
Median
Mean
(e)
Hillslope runoff coefficient (%)
y=1.6e2.9x; R2=0.82
F2, 61= 188.6; p<0.001
Connectivity of runoff - C_R
(f)
Hilslope soil erosion (g m -2)
y=24.4x2; R2=0.78
F2, 61= 126.9; p<0.001
Slope 1
Slope 2
Slope 3
Connectivity of sediments - C_S